



IMR1300

Handheld Flue Gas Analyser

PRODUCT ADVANTAGES

- 850 g flue gas analyzer with integrated printer
- Bluetooth – communication for data transfer*
- Service software for automatic instrument check
- Factory pre-calibrated sensors for on-site replacement**
- USB interface for external data acquisition
- IR-interface for data transmission to an external thermal printer*
- Large, bright back-lit color display, simple intuitive user guidance
- Integrated condensate trap and particle filter for efficient gas conditioning
- 10 hours of operation on battery power, lithium ion battery without memory effect
- Display has 9 languages included, display with Zoom function
- Complete set ready-to-use for all contingencies in one case

IMR1300

The IMR1300 is the first flue gas analyzer from **Gentics** with an integrated printer.

Due to the size, the IMR1300 can be carried around easily and used even in hard-to-reach locations. The IMR1300 is the ideal analyzer for residential as well as industrial applications.



* Option

** recommended only for trained personnel



TECHNICAL DATA

VARIABLE	METHOD	RESOLUTION	DEVIATION	RANGE
CO ₂ (Carbon dioxide)	calculated	0.1 Vol.-%	± 0.2%	0–CO ₂ max. ¹⁾
O ₂ (Oxygen)	electrochemical sensor	0.1 Vol.-%	± 0.2%	0–25 Vol.-%
NO (Nitric oxide)*	electrochemical sensor	1 ppm, mg, mg (O ₂), mg/kWh	Ω ²⁾	0–5 000 ppm
CO (Carbon monoxide) H ₂ compensated	electrochemical sensor	1 ppm, mg, mg (O ₂), mg/kWh	Ω ²⁾	0–8 000 ppm
°C Air temperature	Pt 100	0.1 K	± 0.5 K	-20 to +120 °C
°C Flue gas temperature	Thermocouple NiCr-Ni	0.1 K	± 0.5 K	-100 to +1 000 °C
hPa Pressure/Draft	Internal sensor	0.01 hPa	± 2%	± 60 hPa
λ (Lambda)/Excess air	calculated	0.1	± 0.5	0.00–9.50
qA Flue gas losses	calculated	0.1	± 0.5%	0–99.9%
ETA Efficiency				
The analyzer complies with EN 50379-2				

FURTHER TECHNICAL DATA

Weight	850 g (Complete package incl. case: 3.3 kg)
Dimensions	320 x 100 x 70 mm (H x W x D)
Power supply	100–240V/0.6A AC or 5V 2A DC
Operating temperature	-5°C to +45 °C
Pump capacity	60 l/h
Max. draft	-0.3 bar
Max. pressure	0.3 bar
Storage temperature range	-20 °C to +50 °C

* Option

1) dependent on fuel

2) Ω = 0–200 ppm ± 2 ppm > 200 ppm ± 5% of reading

